

EAST SEARCH

9/8/05

L#	Hits	Search String	Databases	
S1	10	("database management" near2 system\$1) or DBMS) with ((recover\$3 near2 time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S2	480	("database management" near2 system\$1) or DBMS) and (((recover\$3 or restore) near2 time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S3	54	("database management" near2 system\$1) or DBMS) same (((recover\$3 or restore) near2 time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S4	10	("database management" near2 system\$1) or DBMS) with (((recover\$3 or restore) near2 time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S5	1	S2 and (simulat\$3 with (((recover\$3 or restore) near2 time) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S6	14	S2 and ((input near2 output) or "I/O") with (((recover\$3 or restore) near2 time) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S7	1	S2 and ((checkpoint near2 queue) with (((recover\$3 or restore) near2 time) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S8	4	S2 and ((queue or list) with (((recover\$3 or restore) near2 time) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S9	53	S2 and ((queue or list) with (buffer or head or tail))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S10	0	S2 and ((write near2 counter) with (((recover\$3 or restore) near2 time) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S11	0	S2 and ((counter) with (((recover\$3 or restore) near2 time) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S12	1	S2 and ((queue or list) with simulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S13	33	S2 and ((queue or list) with length)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S14	17	S2 and (dirty with buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S15	1	S2 and ((queue or list) with buffer with cache)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S16	46	S2 and ((queue or list) with buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S17	20	S2 and ((queue or list) with cache)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S18	4	S2 and ((queue or list) with "redo log")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S19	8	S2 and (entry with "redo log")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S20	12	S2 and ((queue or list) with limit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S21	2	S2 and (journal with "redo log")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S22	116	S2 and ((queue or list) with entry)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S23	12	S2 and ((queue or list) with journal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S24	17	S2 and ((queue or list) with counter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S25	8	S2 and (volatile with nonvolatile with memory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S26	4	S2 and ((dirty with buffer) with (size or limit))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S27	0	S2 and ("average time" near2 read)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S28	52	S2 and (time near2 read)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S29	79	S2 and ((queue or list) with operation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S30	1	S2 and ((queue or list) with (link\$3 near2 element\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S31	20	S2 and (link\$3 near2 element\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S32	152	S4 or S5 or S6 or S7 or S8 or S12 or S13 or S14 or S15 or S16 or S17 or S18 or S19 or S20	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S33	140	S3 or S9 or S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S34	92	S32 and S33	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S35	71	S32 and S22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S36	152	S32 or S34 or S35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S37	46	S36 and checkpoint	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S38	152	S36 or S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S39	481	("database management" near2 system\$1) or DBMS) and (((recover\$3 or restore) near2 time	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S40	171	S39 and (checkpoint or simulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S41	185	S39 and (checkpoint\$3 or simulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S42	0	S39 and (checkpoint\$3 with simulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S43	54	("database management" near2 system\$1) or DBMS) same (((recover\$3 or restore) near2 time	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S44	10	("database management" near2 system\$1) or DBMS) with (((recover\$3 or restore) near2 time	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S45	1	S39 and (simulat\$3 with (((recover\$3 or restore) near2 time) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S46	14	S39 and (((input near2 output) or "I/O") with (((recover\$3 or restore) near2 time) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S47	1	S39 and ((checkpoint near2 queue) with (((recover\$3 or restore) near2 time) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S48	4	S39 and ((queue or list) with (((recover\$3 or restore) near2 time) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S49	53	S39 and ((queue or list) with (buffer or head or tail))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S50	1	S39 and ((queue or list) with simulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S51	33	S39 and ((queue or list) with length)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S52	17	S39 and (dirty with buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S53	1	S39 and ((queue or list) with buffer with cache)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S54	46	S39 and ((queue or list) with buffer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S55	20	S39 and ((queue or list) with cache)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S56	4	S39 and ((queue or list) with "redo log")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S57	8	S39 and (entry with "redo log")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S58	12	S39 and ((queue or list) with limit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S59	2	S39 and (journal with "redo log")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S60	116	S39 and ((queue or list) with entry)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S61	12	S39 and ((queue or list) with journal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S62	17	S39 and ((queue or list) with counter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S63	8	S39 and (volatile with nonvolatile with memory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S64	4	S39 and ((dirty with buffer) with (size or limit))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S65	52	S39 and (time near2 read)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S66	1	S39 and ((queue or list) with (link\$3 near2 element\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S67	20	S39 and (link\$3 near2 element\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S68	152	S44 or S45 or S46 or S47 or S48 or S50 or S51 or S52 or S53 or S54 or S55 or S56 or S57 or S58	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S69	140	S43 or S49 or S65	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S70	92	S68 and S69	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S71	71	S68 and S60	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S73	54	S72 and simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S74	4	S72 and (checkpoint with queue)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S72	152	S68 or S70 or S71	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S75	3		US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S76	579	database management and checkpoint\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S77	13	S76 and (checkpoint\$3 with simulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S78	1	S77 and ((recover\$1 near2 time\$1) or MTTR)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S80	1	S79 and ((checkpoint\$3 with ((recover\$1 near2 time\$1) or MTTR)):CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S79	17	S76 and (checkpoint\$3 with ((recover\$1 near2 time\$1) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S81	579	database management and checkpoint\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S82	17	S81 and (checkpoint\$3 with ((recover\$1 near2 time\$1) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S83	1	S82 and ((checkpoint\$3 with ((recover\$1 near2 time\$1) or MTTR)).CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S84	17	S81 and (checkpoint\$3 with ((recover\$1 near2 time\$1) or MTTR))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S85	6	6,678,704.pn. or "6,351,754".pn. or "6,253,212".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S86	579	database management and checkpoint\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S87	77	S86 and (checkpoint\$3.CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S88	2	S86 and ((recover\$1 near2 time\$1).CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S89	0	S86 and ((runtime near2 performance).CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S90	71	S86 and (performance.CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S91	3	S86 and (simulat\$3.CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S92	3	S87 and S90	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S93	8	S88 or S91 or S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
L1	164	703/18.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
L2	613	703/22.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
L3	146	2 and database and simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
L5	1	3 and (recover\$1 near2 time\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

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Results of search set S47

Document	Kind	Codes	Title	Issue Date	Current OR	Abstract
US 20050144197	A1		System and method for highly available data processing in cluster system	20050630	707/202	
US 20050131853	A1		Database System Providing Self-Tuned Parallel Database Recovery	20050616	707/1	
US 20050086195	A1		Self-managing database architecture	20050421	707/1	
US 20040210577	A1		Techniques for increasing the usefulness of transaction logs	20041021	707/8	
US 20040193658	A1		Disaster recovery processing method and apparatus and storage unit for the same	20040930	707/202	
US 20030172158	A1		Information replication system mounting partial database replications	20030911	709/225	
US 20030005120	A1		Information replication system having enhanced error detection and recovery	20030102	709/225	
US 20020103819	A1		Technique for stabilizing data in a non-log based information storage and retrieval system	20020801	707/206	
US 20020103815	A1		High speed data updates implemented in an information storage and retrieval system	20020801	707/203	
US 20020103814	A1		High speed, non-log based database recovery technique	20020801	707/202	
US 6735593	B1		Systems and methods for storing data	20040511	707/102	
US 6493826	B1		Method and system for fault tolerant transaction-oriented data processing system	20021210	713/200	
US 6154847	A		Method and system for performing resource updates and recovering operational records within	20001128	714/4	
US 5996088	A		High-speed database checkpointing through sequential I/O to disk	19991130	714/6	
US 5933593	A		Method for writing modified data from a main memory of a computer back to a database	19990803	714/6	

US 5724581 A	Data base management system for recovering from an abnormal condition	19980303 707/202
US 5561795 A	Method and apparatus for audit trail logging and data base recovery	19961001 707/202
US 20050197822 A1	Analysis model producing apparatus	20050908 703/22
US 20050197819 A1	System and method for running web applications locally	20050908 703/22
US 20050192788 A1	Simulating processor performance states	20050901 703/22
US 20050154576 A1	Policy simulator for analyzing autonomic system management policy of a computer system	20050714 703/22
US 20050149310 A1	Method for integrating ethernet switch system and RTL design environment	20050707 703/14
US 20050131667 A1	Complex process modeling and simulation system and method	20050616 703/22
US 20050096895 A1	Method and system of product development process for chemical compositions using high volt	20050505 703/22
US 20050080609 A1	System and method for analyzing a business process integration and management (BPIM) sol	20050414 703/22
US 20050080608 A1	Simulator for request/response systems	20050407 703/22
US 20050075856 A1	Data migration using SMS simulator	20050324 703/22
US 20050065767 A1	Closed loop integration of digital models of in silico systems and experimental procedures	20050317 703/22
US 20050060134 A1	Low cost high fidelity service load generator for random vibration simulation tests	20050310 717/135
US 20050055675 A1	Generation of software objects from a hardware description	20050310 703/22
US 20050055194 A1	Migration model	20050310 703/22
US 20050055193 A1	Computer systems and methods for analyzing experiment design	20050310 703/22
US 20050038641 A1	Mounting process simulation system and method thereof	20050217 703/22
US 20050027504 A1	Job execution plan evaluation system	20050203 703/22
US 20050004789 A1	Management training simulation method and system	20050106 703/22
US 20040267515 A1	Programming automation by demonstration	20041230 703/22
US 20040249622 A1	Method of simulating an enterprise computing management system	20041209 703/22
US 20040225488 A1	System and method for examining mask pattern fidelity	20041111 703/22
US 20040215440 A1	Simulation of hardware based on smart buffer objects	20041028 703/22
US 20040193396 A1	Systems, devices, and methods for acceptance testing a fieldbus component configuration pro	20040930 703/22
US 20040148152 A1	System performance prediction mechanism and method based on software component perfor	20040729 703/22
US 20040143428 A1	System and method for automated placement or configuration of equipment for obtaining desir	20040722 703/22
US 20040133884 A1	Binary translation of self-modifying code	20040708 717/138
US 20040133415 A1	Method and system, with component kits, for designing or deploying a communications networ	20040708 703/22
US 20040122648 A1	Method of designing paint in which performances are predicted and verified	20040624 703/22
US 20040111248 A1	Polymorphic computational system and method	20040610 703/22
US 20040098242 A1	Repartitioning performance estimation in a hardware-software system	20040520 703/22
US 20040078182 A1	Simulation system for multi-node process control systems	20040422 703/22
US 20040054516 A1	Evaluation support apparatus and method for evaluation of recyclability/environmental load	20040318 703/22
US 20040049372 A1	Methods and apparatus for dependency-based impact simulation and vulnerability analysis	20040311 703/22
US 20040025155 A1	Method, computer program product, and system for configuring a software image for installatic	20040205 717/174
US 20030233220 A1	Method, system and article of manufacture for an analytic modeling technique for handling multi	20031218 703/22
US 20030229695 A1	System for use in determining network operational characteristics	20031211 709/224
US 20030225563 A1	Capacity planning	20031204 703/22
US 20030220779 A1	Extracting semiconductor device model parameters	20031127 703/14
US 20030208351 A1	Model based test generation for validation of parallel and concurrent software	20031106 703/22

US 20030200075 A1	Automatic model maintenance through local nets	20031023	703/22
US 20030200074 A1	Simplified modeling software interface and method	20031023	703/22
US 20030176993 A1	System and method for simulating a computer environment and evaluating a user's performance	20030918	703/22
US 20030167460 A1	Processor instruction set simulation power estimation method	20030904	717/151
US 20030140138 A1	Remotely driven system for multi-product and multi-platform testing	20030724	709/224
US 20030139918 A1	Evaluating hardware models having resource contention	20030724	703/22
US 20030130831 A1	Non-unique results in design verification by test programs	20030710	703/22
US 20030120475 A1	Method of generating ASIC design database	20030626	703/22
US 20030120472 A1	Method and system for providing end-user visualization	20030626	703/13
US 20030115037 A1	Simulation model creation method and system, and storage medium	20030619	703/22
US 20030105620 A1	System, method and article of manufacture for interface constructs in a programming language	20030605	703/22
US 20030074177 A1	System, method and article of manufacture for a simulator plug-in for co-simulation purposes	20030417	703/22
US 20030069725 A1	Deterministic method of experimental design	20030410	703/22
US 20030036897 A1	Method and apparatus for simulating application workloads on an e-business application server	20030220	703/22
US 20030018456 A1	Method and system for stress testing simulations of the behavior of financial instruments	20030123	703/2
US 20030009319 A1	Medium recorded with program for managing and utilizing information of plurality of corporation	20030109	703/22
US 20020147577 A1	System and method for performing compound computational experiments	20021010	703/22
US 20020138247 A1	Method and apparatus for terrain reasoning with distributed embedded processing elements	20020926	703/22
US 20020107681 A1	Intelligent tutoring system	20020808	703/22
US 20020107679 A1	Virtual model generation via physical components	20020808	703/22
US 20020103631 A1	Traffic engineering system and method	20020801	703/22
US 20020065845 A1	Method and apparatus for generating a decentralized model on a computer network	20020530	703/22
US 20020042706 A1	Network simulation system and method	20020411	703/22
US 20020038206 A1	Modeling system	20020328	703/22
US 20020022952 A1	DYNAMIC MODELING OF COMPLEX NETWORKS AND PREDICTION OF IMPACTS OF FA	20020221	703/22
US 20020010572 A1	Integrated system for and method of supporting spatial decision making and land-use scenario	20020124	703/22
US 20020002449 A1	Interactive on-line diagnostics for printing	20020103	703/22
US 20010053967 A1	Virtual summary jury trial and dispute resolution method and systems	20011220	703/22
US 20010027389 A1	Method and apparatus for risk management	20011004	703/22
US 20010027388 A1	Method and apparatus for risk management	20011004	703/22
US 20010011212 A1	METHOD AND APPARATUS FOR GATE-LEVEL SIMULATION OF SYNTHESIZED REGISTERS	20010802	703/22
US 20010001852 A1	Computer architecture and process of patient generation, evolution, and simulation for computation	20010524	703/22
US 6928402 B2	Method to support the setup of input parameters	20050809	703/22
US 6915252 B1	Method and system for ensuring consistency of design rule application in a CAD environment	20050705	703/22
US 6904399 B2	Simplified modeling software interface and method	20050607	703/22
US 6901356 B1	Simulation apparatus, simulation method and computer-readable recording medium having simulation	20050531	703/7
US 6876961 B1	Electronic system modeling using actual and approximated system properties	20050405	703/19
US 6868370 B1	Methods and apparatus for system and device design	20050315	703/1
US 6856951 B2	Repartitioning performance estimation in a hardware-software system	20050215	703/22
US 6853970 B1	Automatic design of processor datapaths	20050208	703/20
US 6836754 B2	Biomechanical system development of a restraint system	20041228	703/8
US 6820042 B1	Mixed mode network simulator	20041116	703/2
US 6813596 B2	Method for generating a high fidelity simulation of an orbiting satellite telemetry stream	20041102	703/8

US 6807522 B1	Methods for predicting instruction execution efficiency in a proposed computer system	20041019 703/22
US 6799154 B1	System and method for predicting the timing of future service events of a product	20040928 703/22
US 6789054 B1	Geometric display tools and methods for the visual specification, design automation, and control	20040907 703/6
US 6785642 B1	Method of converting data	20040831 703/14
US 6772107 B1	System and method for simulating activity on a computer network	20040803 703/21
US 6763452 B1	Modifying program execution based on profiling	20040713 712/227
US 6751583 B1	Hardware and software co-simulation including simulating a target processor using binary trans	20040615 703/17
US 6721696 B1	Simulation program having generic attribute access schema	20040413 703/22
US 6694290 B1	Analyzing an extended finite state machine system model	20040217 703/22
US 6625454 B1	Method and system for designing or deploying a communications network which considers fre	20030923 455/446
US 6618856 B2	Simulation method and apparatus for use in enterprise controls	20030909 717/135
US 6615097 B2	Production management system	20030902 700/121
US 6601025 B1	Method to partition the physical design of an integrated circuit for electrical simulation	20030729 703/14
US 6581027 B1	Computer implemented method and system for simulating strategic planning and operations u	20030617 703/9
US 6560569 B1	Method and apparatus for designing and analyzing information systems using multi-layer math	20030506 703/2
US 6546364 B1	Method and apparatus for creating adaptive workflows	20030408 703/22
US 6522995 B1	Method and apparatus for web-based control of a web-based workload simulation	20030218 702/186
US 6442515 B1	Process model generation independent of application mode	20020827 703/22
US 6434513 B1	Method of load testing web applications based on performance goal	20020813 702/186
US 6427132 B1	System, method and article of manufacture for demonstrating E-commerce capabilities via a s	20020730 703/22
US 6393480 B1	Application response time prediction	20020521 709/224
US 6370493 B1	Simulation format creation system and method	20020409 703/14
US 6370492 B1	Modified design representation for fast fault simulation of an integrated circuit	20020409 703/13
US 6345242 B1	Synchronization mechanism for distributed hardware simulation	20020205 703/22
US 6345240 B1	Device and method for parallel simulation task generation and distribution	20020205 703/21
US 6330528 B1	Method of terminating temporarily unstopable code executing in a multi-threaded simulated o	20011211 703/22
US 6317599 B1	Method and system for automated optimization of antenna positioning in 3-D	20011113 455/446
US 6308292 B1	File driven mask insertion for automatic test equipment test pattern generation	20011023 714/738
US 6308146 B1	System and method for simulating user input to control the operation of an application	20011023 703/22
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US 6223145 B1	Interactive interface for specifying searches	20010424 703/22
US 6199032 B1	Presenting an output signal generated by a receiving device in a simulated communication syst	20010306 703/21
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US 6182242 B1	Generic device driver simulator and method	20010130 714/26
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US 6151569 A	Automated sequence of machine-performed attempts to unfreeze an apparently frozen applica	20001121 703/22
US 6145121 A	Trace based method for the analysis, benchmarking and tuning of object oriented databases a	20001107 717/135

US 6117181 A	Synchronization mechanism for distributed hardware simulation	20000912 703/22
US 6099575 A	Constraint validity checking	20000808 703/22
US 6088739 A	Method and system for dynamic object clustering	20000711 719/315
US 6051029 A	Method of generating a display for a dynamic simulation model utilizing node and link representation	20000418 703/22
US 6048366 A	Satellite simulator	20000411 703/8
US 6044398 A	Virtual dynamic browsing system and method for automated web server and testing	20000328 709/219
US 6038391 A	Method and apparatus for evaluating performance of multi-processing system and memory management	20000314 703/21
US 6002863 A	Computer implemented method and system for simulating strategic planning and operations using a computer	19991214 703/22
US 5978576 A	Computer performance modeling system and method	19991102 703/22
US 5949993 A	Method for the generation of ISA simulators and assemblers from a machine description	19990907 703/22
US 5920711 A	System for frame-based protocol, graphical capture, synthesis, analysis, and simulation	19990706 703/15
US 5913052 A	System and method for debugging digital signal processor software with an architectural view and a data flow diagram	19990615 703/15
US 5889685 A	Method and apparatus for automatically characterizing short circuit current and power consumption	19990330 703/18
US 5881268 A	Comparative performance modeling for distributed object oriented applications	19990309 703/21
US 5821934 A	Method and apparatus for providing stricter data type capabilities in a graphical data flow diagram	19981013 715/763
US 5592657 A	Console simulator, multi-console management system, and console management distribution system	19970107 703/21
US 5347518 A	Method of automating a build verification process	19940913 714/38
US 5269014 A	Automatic programming system with design review capabilities	19931207 703/22
US 5222235 A	Databases system for permitting concurrent indexing and reloading of data by early simulating	19930622 707/101
US 5151984 A	Block diagram simulator using a library for generation of a computer program	19920929 703/22
US 5101491 A	System means for synthesizing, generating and checking software for a computer	19920331 703/22

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L#	Hits	Search String	Databases
S86	579	database management and checkpoint\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S80	1	S79 and ((checkpoint\$3 with ((recover\$1 near2 time\$1) or MTTR)).CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S87	77	S86 and (checkpoint\$3.CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S88	2	S86 and ((recover\$1 near2 time\$1).CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S89	0	S86 and ((runtime near2 performance).CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S90	71	S86 and (performance.CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S91	3	S86 and (simulat\$3.CLM.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S92	3	S87 and S90	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S93	8	S88 or S91 or S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

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Results of search set S86 and (checkpoint\$3.CLM.)

Document Kind	Codes	Title	Issue Date	Current OR	Abstract
US	20050177549	A1	20050811	707/1	
US	20050171787	A1	20050804	705/1	
US	20050144197	A1	20050630	707/202	
US	20050097078	A1	20050505	707/2	
US	20050065834	A1	20050324	705/8	
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US	20040230623	A1	20041118	707/202	
US	20040210898	A1	20041021	718/100	
US	20040210888	A1	20041021	717/168	
US	20040210887	A1	20041021	717/168	
US	20040210577	A1	20041021	707/8	
US	20040193658	A1	20040930	707/202	
US	20040172632	A1	20040902	718/101	
US	20040158549	A1	20040812	707/1	

US 20040123129 A1	Trusted infrastructure support systems, methods and techniques for secure electronic commerce	20040624 713/193
US 20040098719 A1	Auto-commit processing in an IMS batch application	20040520 718/101
US 20040034640 A1	Buffered message queue architecture for database management systems with guaranteed at least one delivery	20040219 707/10
US 20040030739 A1	Database remote replication for multi-tier computer systems by homayoun yousefi-zadeh	20040212 709/201
US 20030217080 A1	System and method for intelligent write management of disk pages in cache checkpoint operation	20031120 707/200
US 20030217033 A1	Database system and methods	20031120 707/1
US 20030142853 A1	Security identification system	20030731 382/118
US 20030135399 A1	System and method for project optimization	20030717 705/7
US 20030126163 A1	Method for file deletion and recovery against system failures in database management system	20030703 707/204
US 20030101086 A1	Decision tree software system	20030529 705/9
US 20030061537 A1	Parallelized redo-only logging and recovery for highly available main memory database system	20030327 714/16
US 20030006121 A1	Passive radio frequency identification system for identifying and tracking currency	20030109 194/206
US 20020174379 A1	Restartable database loads using parallel data streams	20021121 714/19
US 20020116404 A1	Method and system for highly-parallel logging and recovery operation in main-memory transactional database	20020822 707/202
US 20020107902 A1	Method, computer program product, and system for creating form independent applications operation	20020808 718/102
US 20020103819 A1	Technique for stabilizing data in a non-log based information storage and retrieval system	20020801 707/206
US 20020103814 A1	High speed, non-log based database recovery technique	20020801 707/202
US 20020073110 A1	Version collection technique implemented on an intrinsic versioning information storage and retrieval system	20020613 707/206
US 20020059306 A1	Method and system for advanced restart of application servers processing time-critical request	20020516 707/200
US 20020007363 A1	System and method for transaction-selective rollback reconstruction of database objects	20020117 707/202
US 20010056438 A1	Database system with backup and recovery mechanisms	20011227 707/204
US 20010042224 A1	Continuous flow compute point based data processing	20011115 714/16
US 20010008019 A1	METHOD AND SYSTEM FOR TRANSPARENTLY FAILING OVER APPLICATION CONFIGURATION	20010712 714/1
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US 6898642 B2	Synchronous collaboration based on peer-to-peer communication	20050524 709/248
US 6874104 B1	Assigning recoverable unique sequence numbers in a transaction processing system	20050329 714/15
US 6834358 B2	Restartable database loads using parallel data streams	20041221 714/15
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US 6789181 B1	Safety net paradigm for managing two computer execution modes	20040907 712/4
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US 6701324 B1	Data collector for use in a scalable, distributed, asynchronous data collection mechanism	20040302 707/104.1
US 6691245 B1	Data storage with host-initiated synchronization and fail-over of remote mirror	20040210 714/6
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US 6226651 B1	Database disaster remote site recovery	20010501 707/202
US 6202079 B1	Synchronization procedure in a routing node	20010313 718/101
US 6122640 A	Method and apparatus for reorganizing an active DBMS table	20000919 707/103R

US 6014674 A	Method for maintaining log compatibility in database systems	20000111 707/202
US 5996088 A	High-speed database checkpointing through sequential I/O to disk	19991130 714/6
US 5951695 A	Fast database failover	19990914 714/16
US 5933593 A	Method for writing modified data from a main memory of a computer back to a database	19990803 714/6
US 5864849 A	System and method for restoring a multiple checkpointed database in view of loss of volatile m	19990126 707/8
US 5845292 A	System and method for restoring a distributed checkpointed database	19981201 707/202
US 5832508 A	Method for deallocating a log in database systems	19981103 707/200
US 5724581 A	Data base management system for recovering from an abnormal condition	19980303 707/202
US 5721978 A	Method and system for fast recovery of a primary store database using selective recovery by d	19980224 707/202
US 5706489 A	Method for a CPU to utilize a parallel instruction execution processing facility for assisting in the	19980106 712/228
US 5687343 A	Product for global updating modified data object represented in concatenated multiple virtual sj	19971111 711/202
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US 5594881 A	System for updating modified pages of data object represented in concatenated multiple virtua	19970114 711/209
US 5412801 A	Gap recovery for off-site data storage and recovery systems	19950502 714/20
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